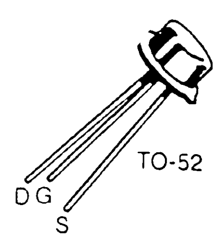
FET RF, VHF, UHF Amplifiers

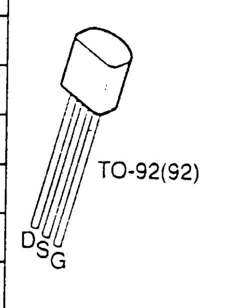
2N3819-
434-759

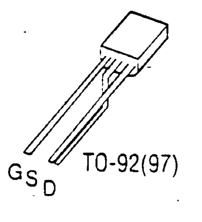
N Channel

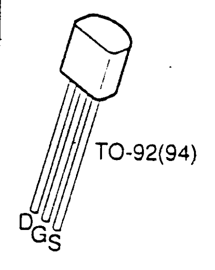
Device	BV_{GSS} (V) Min	V_P @ V_{DS} I_D (V) Min	(V) Max	(V)	(nA)	|Yfs| (mmho) @ f Min	(MHz)	Re(Yos) (μmho) @ f Max	(MHz)	Ciss (pF) Max	Crss (pF) Max	NF (dB) @ Rg = 1k Max	(MHz)	Package
2N3819	25		8	15	2	1.6	100			8	4			TO-92(94)
2N4416	30	2.5	6	15	1	4	400	100	400	4	0.9	4	400	TO-72
PN4416	30	2.5	6	15	1	4	400	100	400	4	0.9	4	400	TO-92(92)
MMBF4416	30	2.5	6	15	1	4	400	100	400	4	0.9	4	400	TO-236*
2N5245	30	1	6	15	10	4	400	100	400	4.5	1.0	4	400	TO-92(97)
2N5246	30	0.5	4	15	10	2.5	400	100	400	4.5	1.0	4	400	TO-92(97)
2N5247	30	1.5	8	15	10	4	400	150	400	4.5	1.0	4	400	TO-92(97)
2N5397	25	1	6	10	1	5.5	450	400	450	5	1.2	3.5	450	TO-72
2N5484	25	0.3	3	15	10	2.5	100	75	100	5	1	3	100	TO-92(92)
MMBF5484	25	0.3	3	15	10	2.5	100	75	100	5	1	3	100	TO-236*
2N5485	25	0.5	4	15	10	3	400	100	400	5	1	4	400	TO-92(92)
MMBF5485	25	0.5	4	15	10	3	400	100	400	5	1	4	400	TO-236*
2N5486	25	2	6	15	10	3.5	400	100	400	5	1	4	400	TO-92(92)
MMBF5486	25	2	6	15	10	3.5	400	100	400	5	1	4	400	TO-236*
2N5949	30	3	7	15	100	3	100	150	100	6	2	5	100	TO-92(97)
2N5950	30	2.5	6	15	100	3	100	125	100	6	2	5	100	TO-92(97)
2N5951	30	2	5	15	100	3	100	100	100	6	2	5	100	TO-92(97)
2N5952	30	1.3	4.5	15	100	1	100	75	100	6	2	5	100	TO-92(97)
2N5953	30	0.8	3	15	100	1	100	50	100	6	2	5	100	TO-92(97)
J300	25	1	6	10	1	4.5	0.001	200	0.001	5.5	1.7			TO-92(92)
MMBFJ304	30	2	6	15	1	t4.2	400	t80	100					TO-236*
J304	30	2	6	15	1	t4.2	400	t80	100					TO-92(92)
J305	30	0.5	3	15	1	t3.0	400	t80	100					TO-92(92)
MMBFJ305	30	0.5	3	15	1	t3.0	400	t80	100					TO-236*
MMBFJ309	25	1	4	10	1	10	0.001	150	0.001	7.5	2.5			TO-236*
J309	25	1	4	10	1	10	0.001	150	0.001	7.5	2.5			TO-92(92)
MMBFJ310	25	2	6.5	10	1	8	0.001	150	0.001	7.5	2.5			TO-236*
J310	25	2	6.5	10	1	8	0.001	150	0.001	7.5	2.5			TO-92(92)
U309	25	1	4	10	1	10	0.001	150	100	5	2.5			TO-52
U310	25	2.5	6	10	1	10	0.001	150	100	5	2.5			TO-52

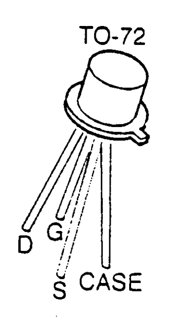
* TO-236AB is standard for all devices.
Please refer to Surface Mount section for TO-236 Device Marking.
t = typical value

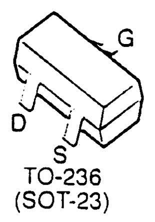






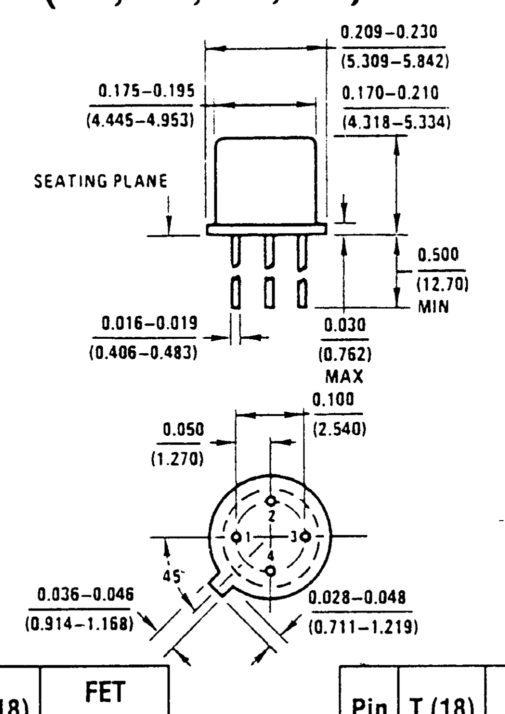






TO-236
(SOT-23)

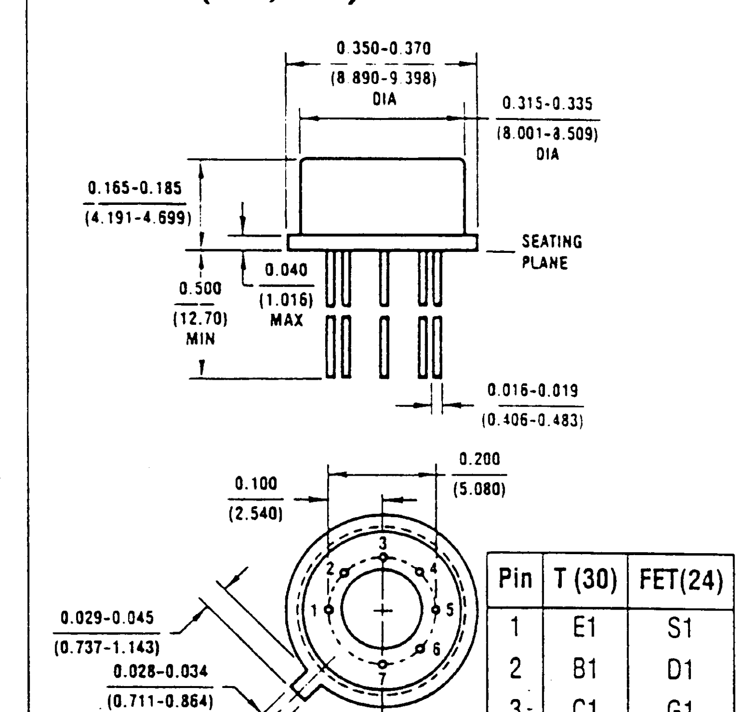
TO-72 (23, 25, 28, 29)



Pin	T (18)	FET N(25, 29)
1	E	S
2	B	D
3	C	G
4	GND	CASE

Pin	T (18)	FET P(23)
1	E	S
2	B	G
3	C	D
4	GND	CASE

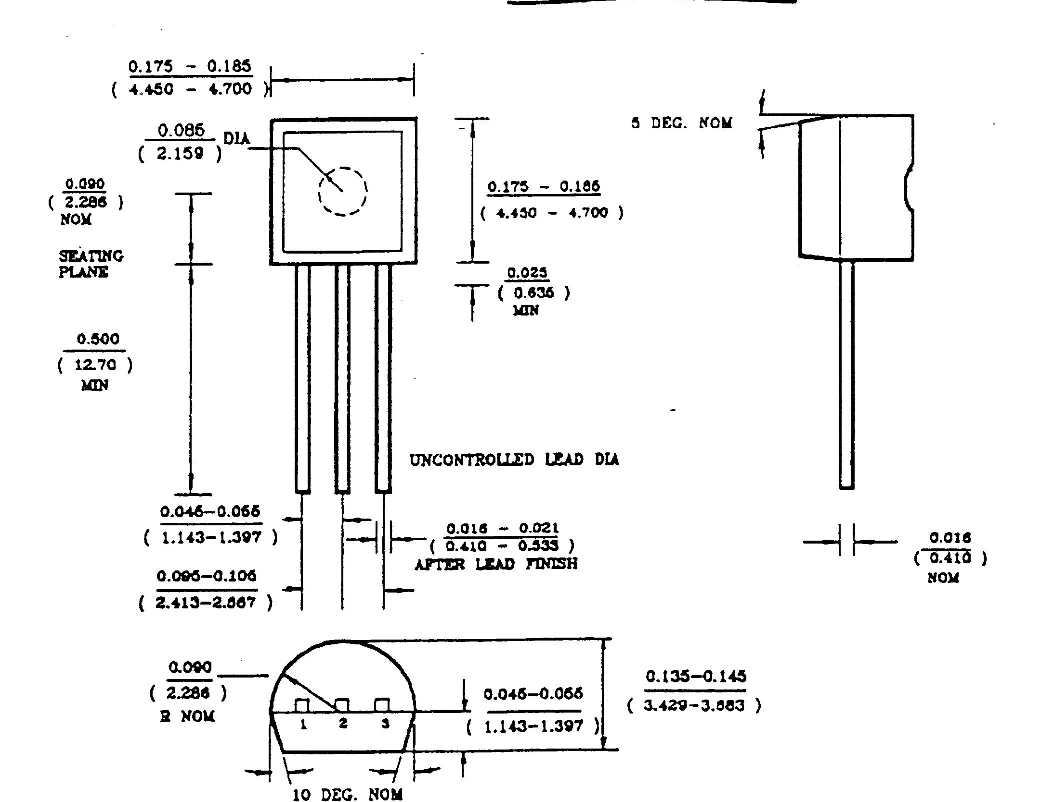
TO-78 (24, 30)



Pin	T (30)	FET(24)
1	E1	S1
2	B1	D1
3	C1	G1
5	E2	S2
6	B2	D2
7	C2	G2

TO-92 (92, 94, 96)

2N 3819.



Pin	(96) T	(96) FET
1	C	G
2	E	D
3	B	S

Pin	(92) STD T	(92) STD FET	(92) STD DMOS
1	C	G	S
2	B	S	G
3	E	D	D

Pin	(94) T	(94) FET
1	B	S
2	C	G
3	E	D